

Fig. 1

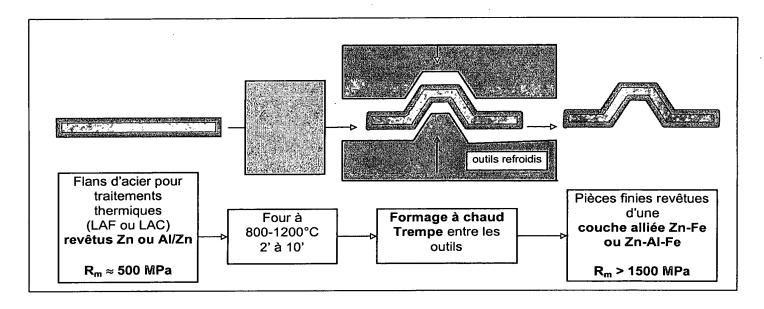


Fig. 2

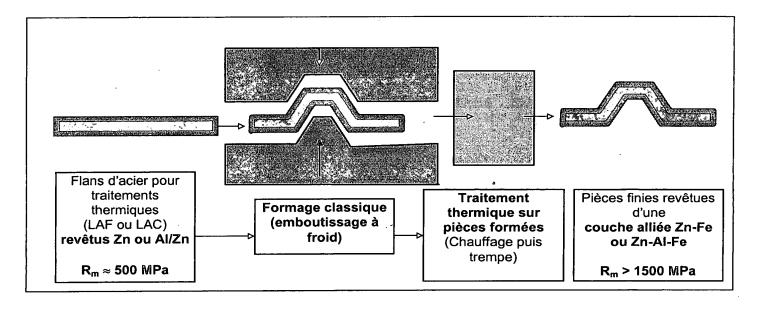




Fig. 3a.

Fig. 3b.

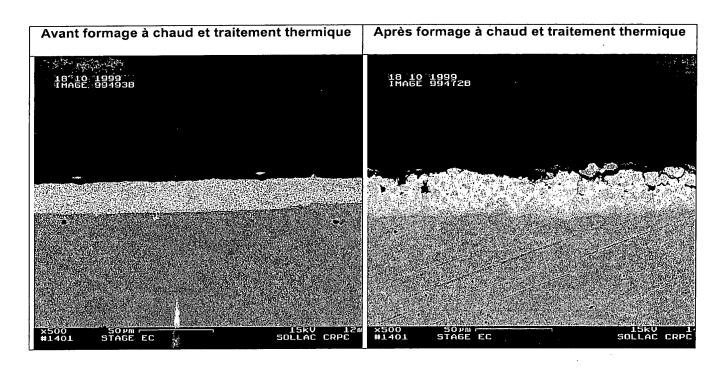
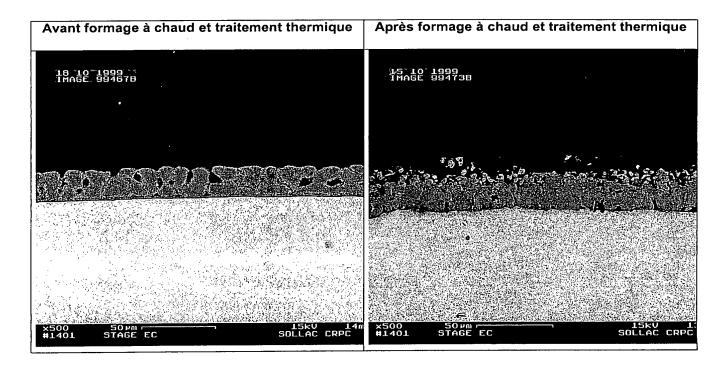


Fig. 4a.

Fig. 4b.





Cooled tools

Steel blanks for heat treatment (Cold or Hot Rolled) with Zn or Al/Zn coating ts = approx. 500 MPa	Oven at 800-1,200°C 2 to 10 min.	Heat forming Quenching between tools	Finished parts coated with Zn-Fe or Zn-Fe- Al alloyed layer ts > 1,500 MPa
---	--	--------------------------------------	--

Fig. 2

Steel blanks for heat treatment			Finished parts coated with
(Cold or Hot Rolled)	Conventional	Heat	Zn-Fe or Zn-Fe-
with Zn or Al/Zn	forming	treatment	Al alloyed layer
coating	(cold stamping)	on formed	
		parts (Heating	ts > 1,500 MPa
ts = approx. 500		then	
MPa		quenching)	



Before hot forming and heat treatment treatment

Fig. 3b.

After hot forming and heat

Fig. 4a.

Before hot forming and heat treatment treatment

Fig. 4b.

After hot forming and heat